

Radar Set AN/APT-2 (Carpet I), which supercedes Radio Transmitting Equipment RC-156-A, is an airborne radar transmitter designed for use as a barrage transmitter against enemy aircraft interception, gun-laying, ground controlled interception and searchlight control radars in the frequency range 450 to 710 mc. In operation it obscures the oscilloscope indications of the enemy radar.

When used as a barrage jammer the frequency is preset, prior to take-off, to the frequency band to be jammed. The only operation required in flight is to turn the transmitter on and off as required.

The equipment may be used as a spot jammer in conjunction with a receiver to determine the frequency to be jammed. For this type of operation a trained operator is required.

The set may be used in diversionary planes to distract the enemy while the actual raiding aircraft approach the target from another direction, or it may be used by the raiding aircraft to screen its approach to within 7 miles of a Giant Wurzburg system.

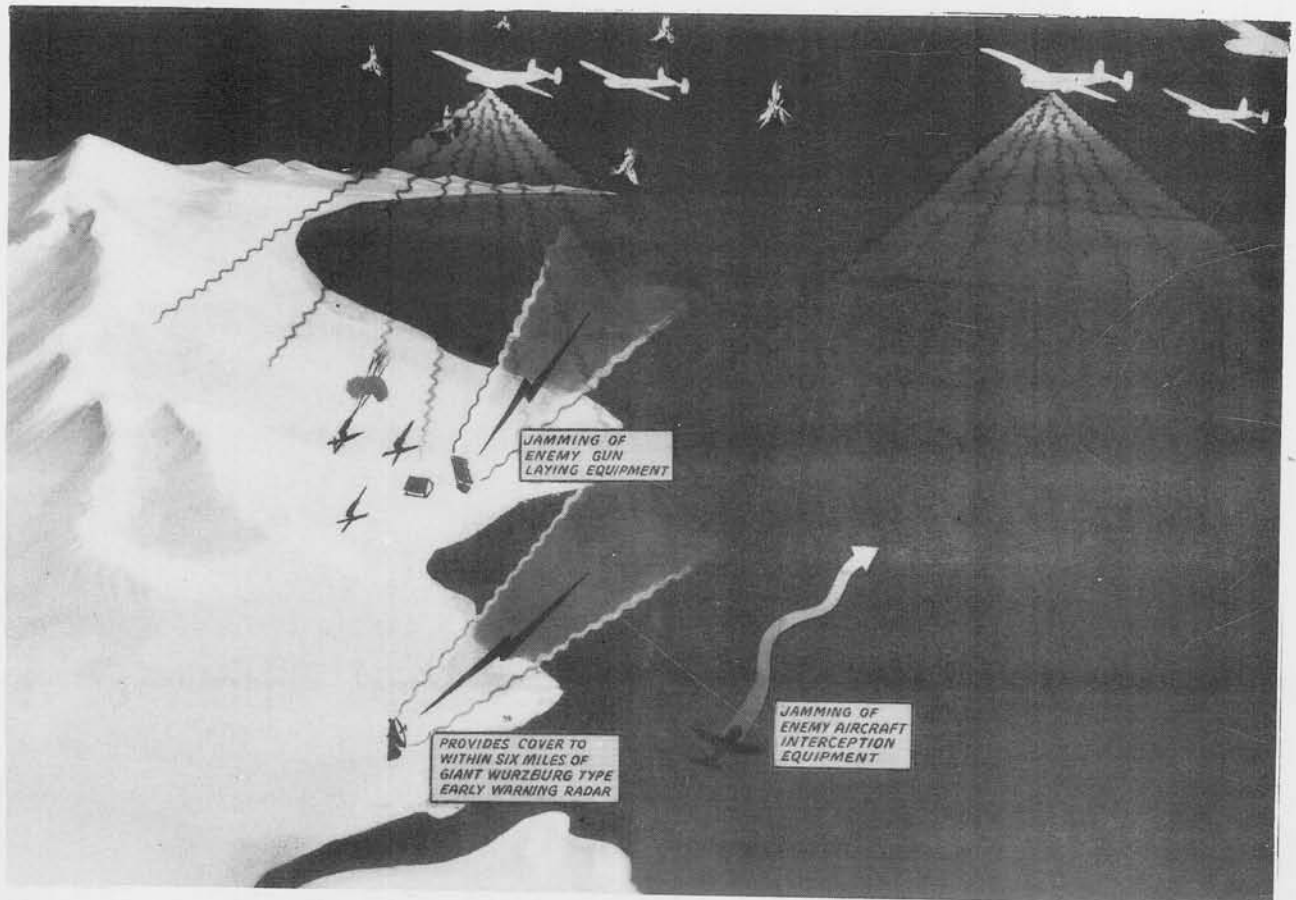
The set consists of a transmitter mounted in an SARC B1-D case and a control box for remote control of the equipment. It emits an A.M. noise signal with an output power of 8 to 4 watts over the frequency range of the set with an output band width of 7 mc. Power is obtained from an 80/115 volt, 400-2800 c.p.s., a.c. source and a 28 volt d.c. source.

Production of the equipment was started in 1943. Army Supply Program requirements as of 1 September 1944 were 6,562 for the calendar year 1944 and 3,302 for 1945.

Test equipment required for the maintenance and tuning of the equipment includes, Test Set I-139-A, Pick-up Assembly TS-131/AP, Frequency Meter TS-175/U, Hickok Voltmeter type 110, Radio Frequency Wattmeter TS-118/AP or TS-70/AP and Test Set I-56-K.

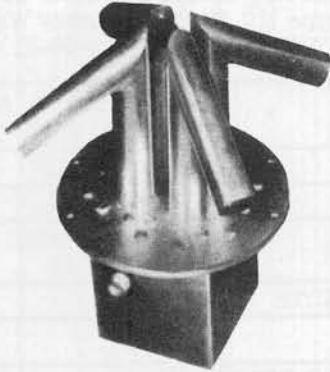
POWER INPUT	250 WATTS A. C. AND 35 WATTS D. C.
POWER OUTPUT	8 TO 4 WATTS
FREQUENCY	450 TO 710 MC.
TYPE OF SIGNAL	A.M. NOISE WITH RANDOM F.M.
OUTPUT BANDWIDTH	7 MC.

TUBE COMPLEMENT			
NO.	TYPE	NO.	TYPE
1	2X2	2	368AS
2	5R4GY	1	807
2	6AC7	1	931A
1	6AG7		

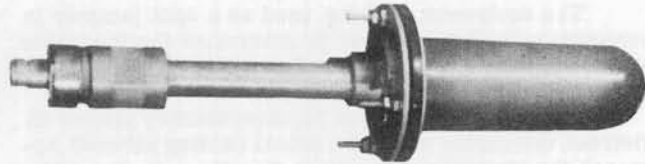


Radio Set AN/APT-2 may be used for jamming any enemy radar search or ranging equipment operating in the frequency range from 475 to 585 mc.

UNCLASSIFIED



Antenna Assembly AS-69/APT-2



Antenna Assembly AS-33/APT-2



Radar Transmitter T-26/APT-2

RADAR SET AN / APT-2

TOTAL WEIGHT 60 LBS

Component	Nomenclature	Size	Weight
Radar Transmitter	T-26/APT-2	7 3/4" x 10 1/4" x 22 "	43 Lbs.
Mounting Base	MT-171/U	2 1/4" x 10 3/4" x 22 "	3 Lbs.
Antenna Assembly	AS-33/APT-2	12 1/2" high, 3" max. dia.	2 Lbs.
Antenna Assembly	AS-69/APT-2	10 1/2" high, 9" max. dia.	8 Lbs.
Antenna Cover	CW-44/APT	6 1/2" x 12 " x 21 "	2 Lbs.

and includes adapters, plugs and cable.